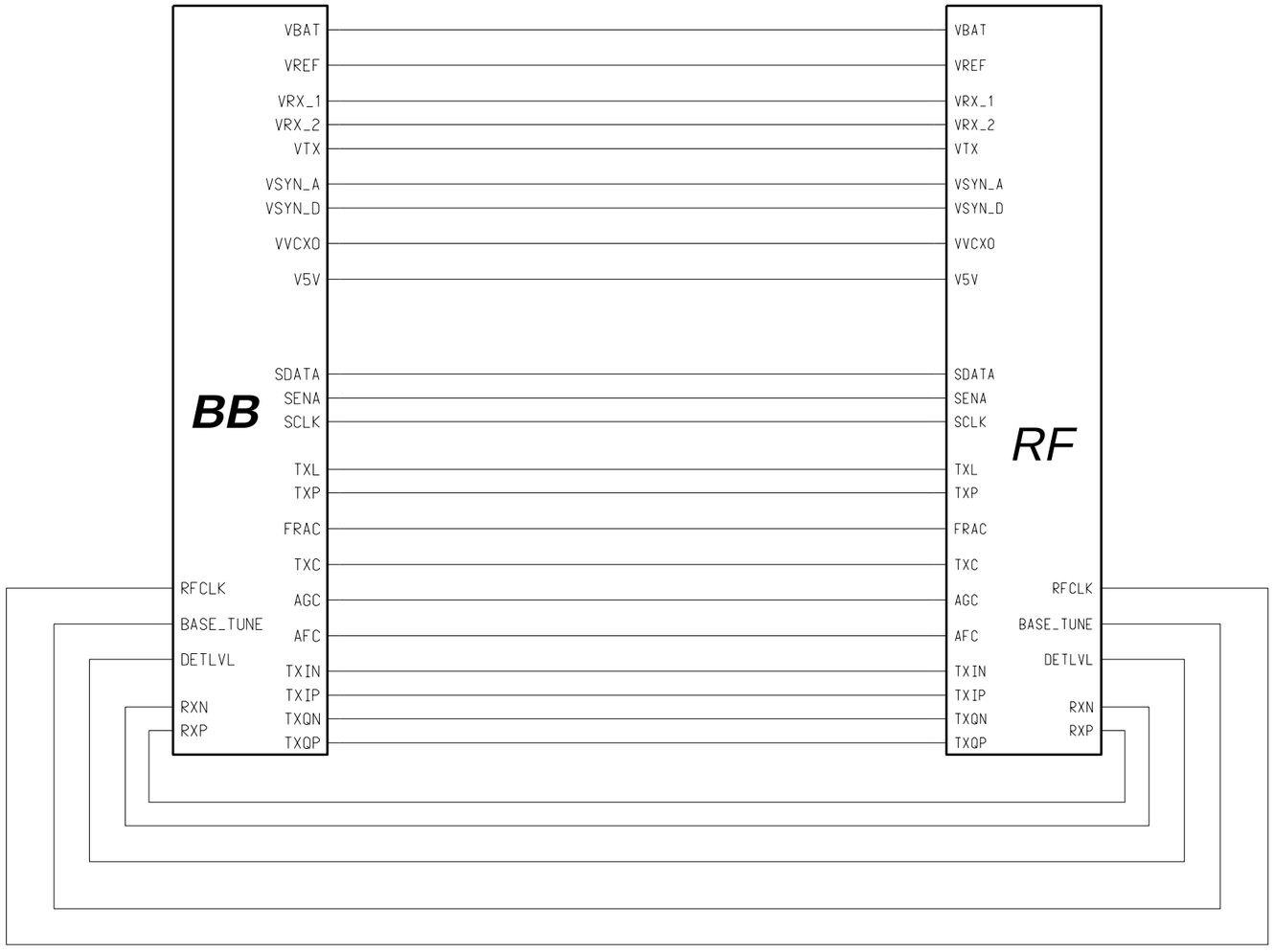
Connection Between Baseband and RF



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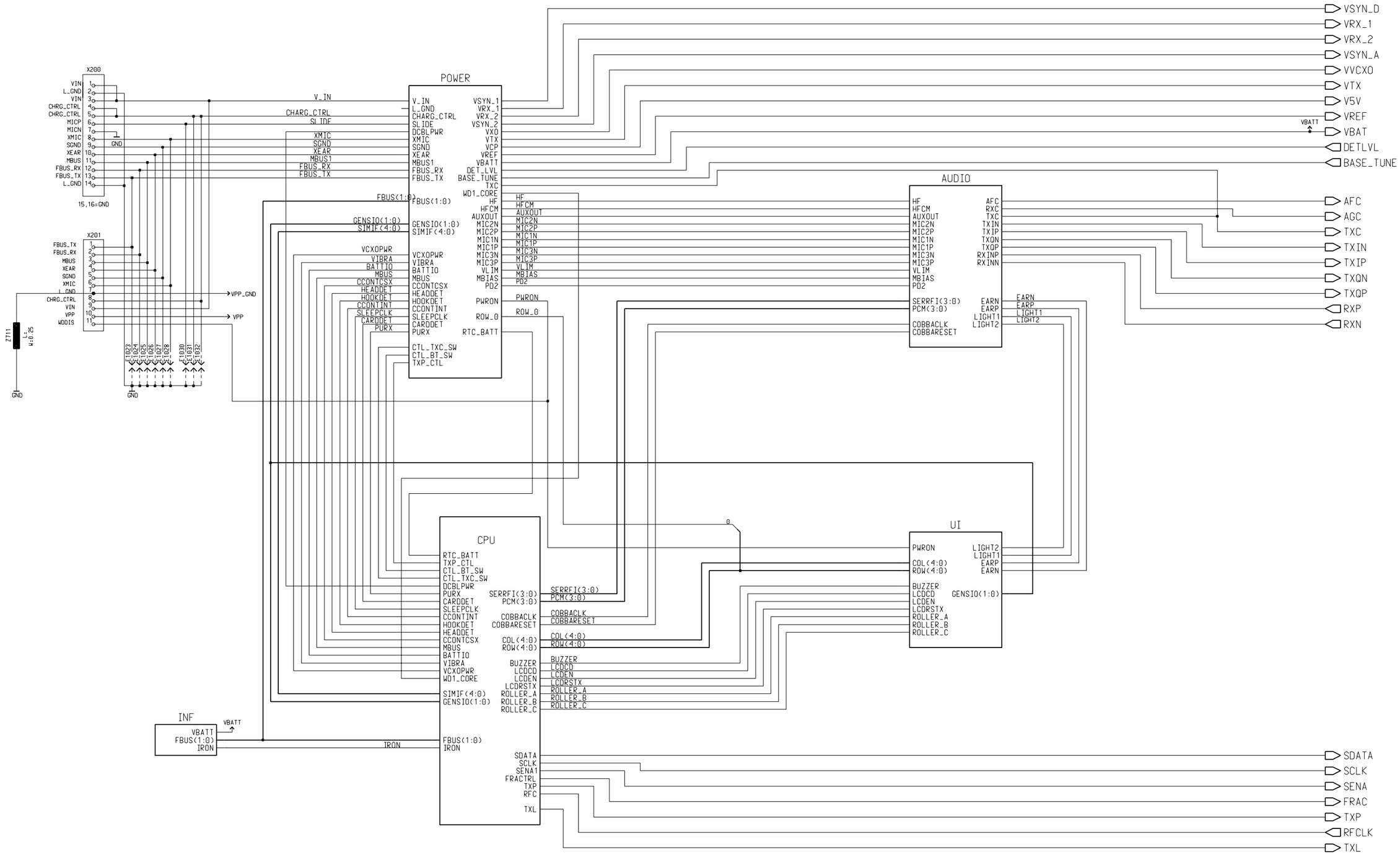
Baseband Module



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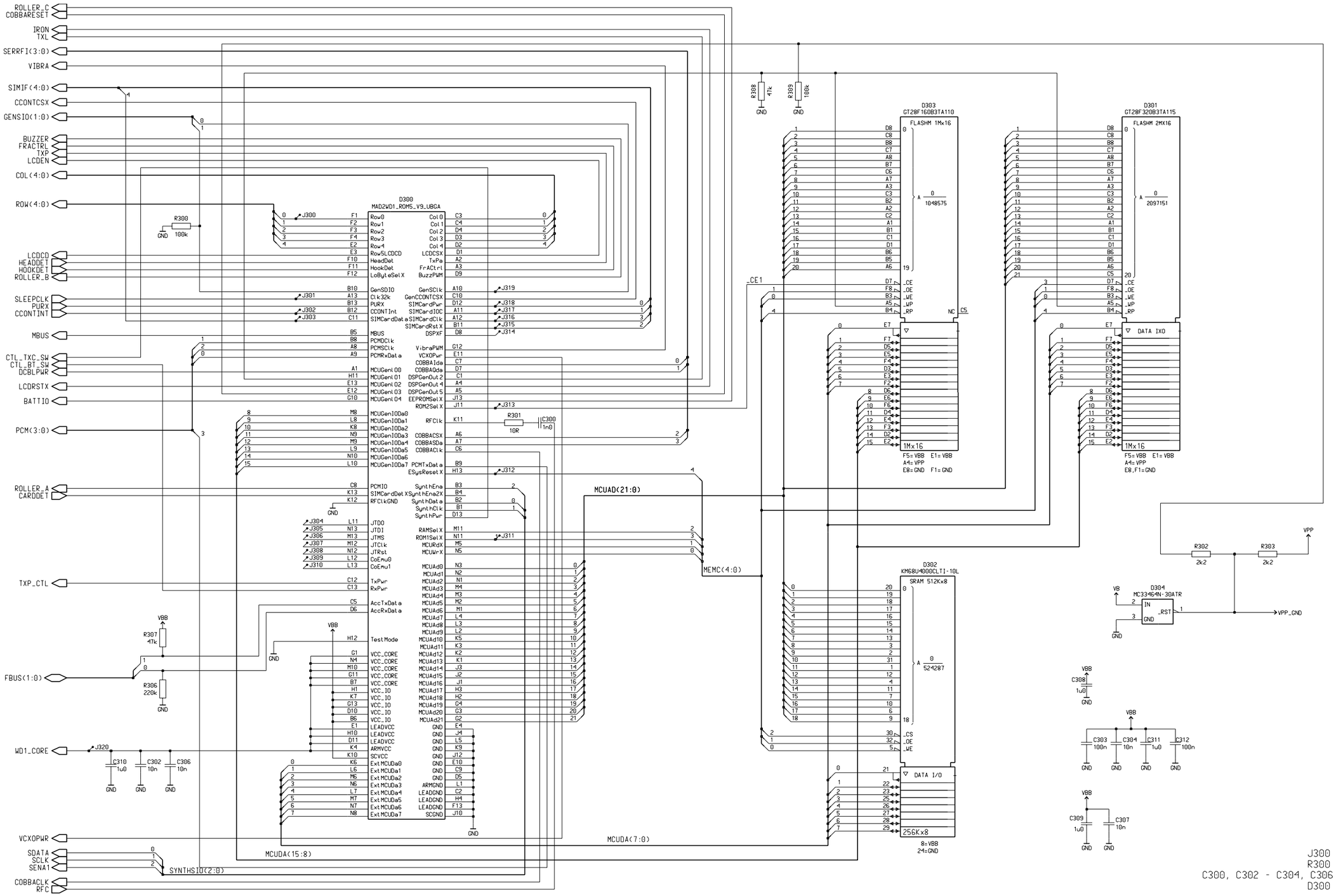
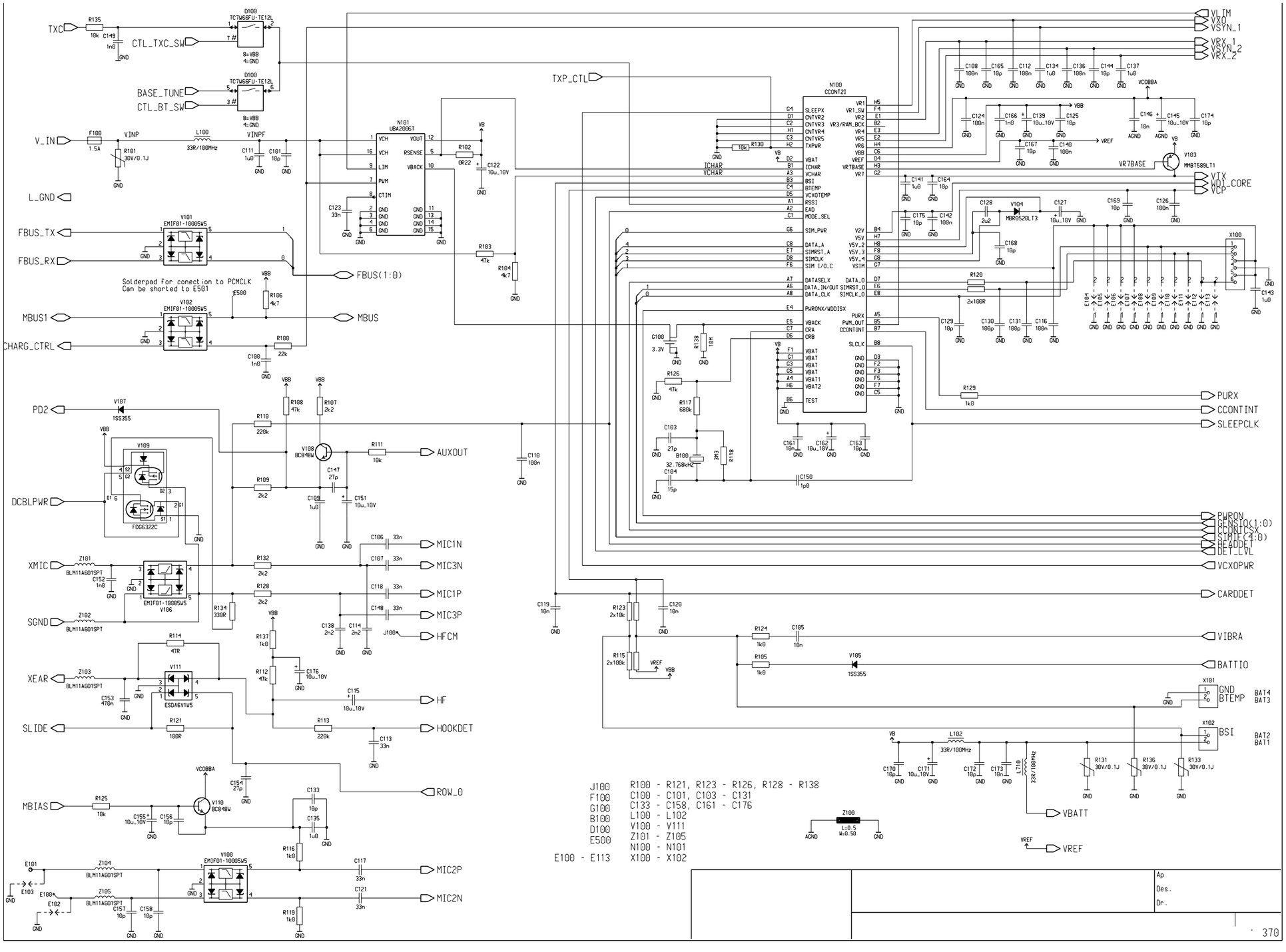
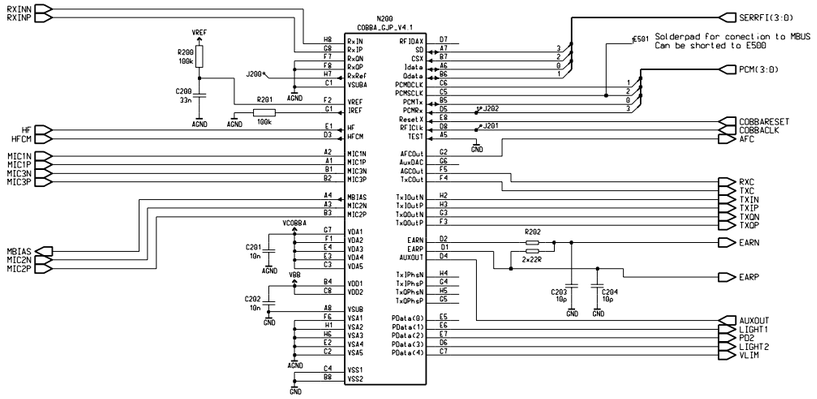
CPU Diagram


D300
MAD2WD1_ROMS_V9_UBGA
D303
GT28F160B3TA110
FLASHM 1Mx16
D301
GT28F320B3TA115
FLASHM 2Mx16
D302
KM68U4000CLTI-10L
SRAM 512Kx8
D304
MC33464N-30ATR
MCUAD(21:0)
MEMC(4:0)
MCUAD(15:8)
MCUAD(7:0)
SYNTHS10(2:0)
FBUS(1:0)
VCXOPWR
WD1_CORE
TXP_CTL
ROLLER_A
CARDDET
COBBACLK
RFC
SDATA
SCLK
SENA1
VPP_GND
J300 - J319
R300 - R308
C300, C302 - C304, C306 - C312
D300 - D304

Power Diagram

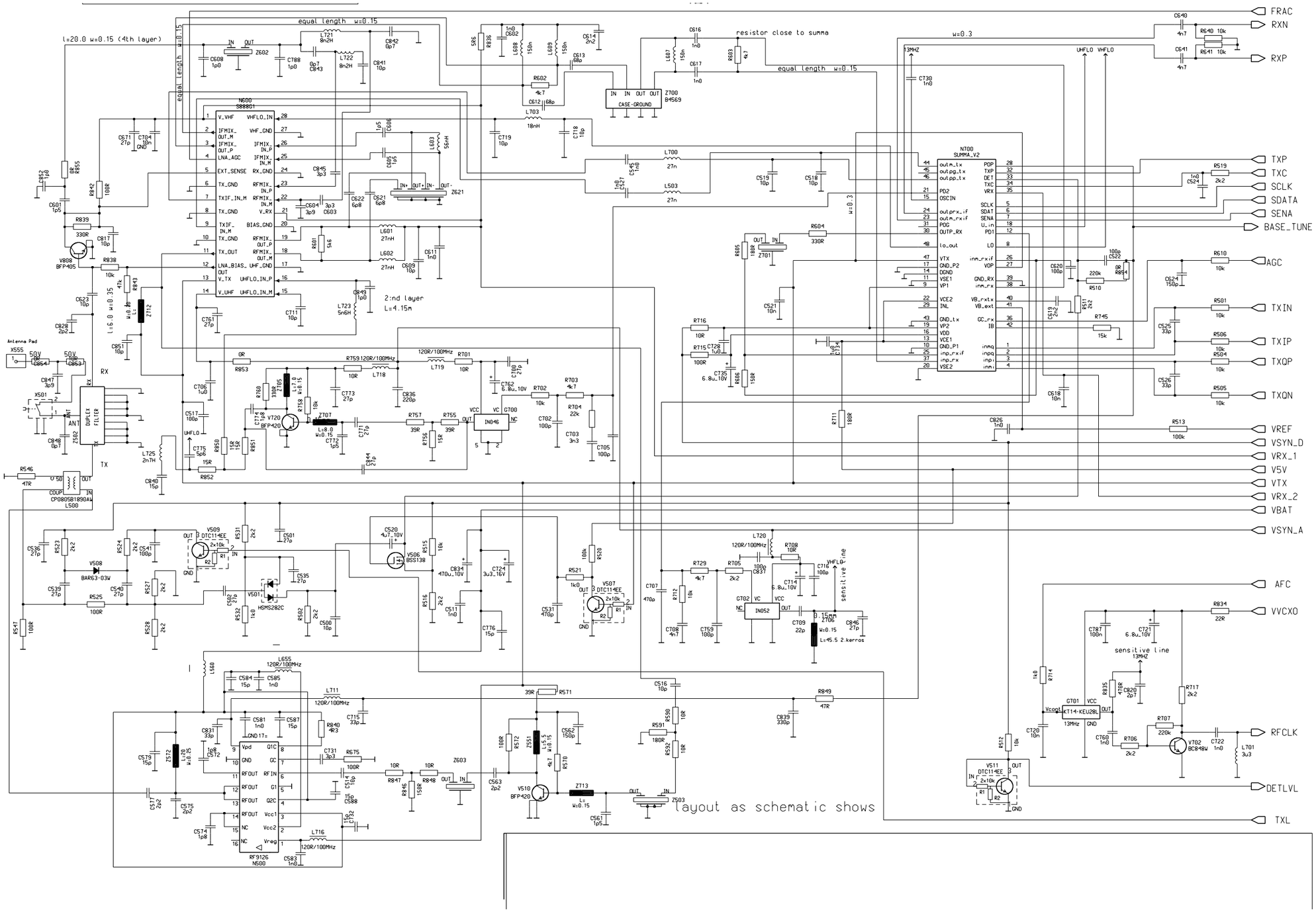


Audio Diagram

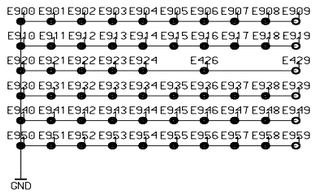


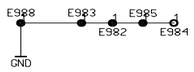
R200 - R202
C200 - C205
N200
J200 - J202
(X200 - X201)
E501

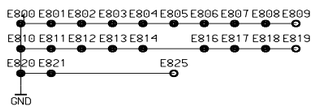
RF Diagram

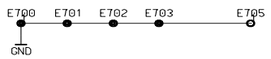

FRAC
RXN
RXP
TXP
TXC
SCLK
SDATA
SENA
BASE_TUNE
AGC
TXIN
TXIP
TXQP
TXQN
VREF
VSYN_D
VRX_1
V5V
VTX
VRX_2
VBAT
VSYN_A
AFC
VVCXO
RFCLK
DETLVL
TXL
N700
SUMMA_V2
N500
S8880I
Z602
Z700
B4569
Z621
Z712
Z701
Z707
Z713
Z503
Z603
Z512
Z551
Z501
Antenna Pad
RX
TX
ANT
DUPLEX FILTER
COUPL
CP080SB1890AW
L500
RF9126
N500
IN046
IN052
BFP420
BFP405
BAR63-03W
HSMS282C
BC848W
DTC114EE
BSS138
KT14-KEU28L
13MHz
UHFLO
VHFLO
equal length w=0.15
resistor close to summa
layout as schematic shows
sensitive line
2:nd layer
L=4.15m

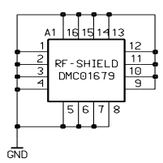
RF Shield and Ground

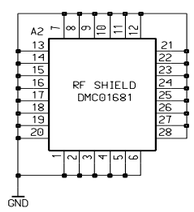


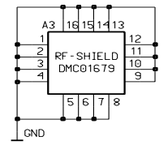












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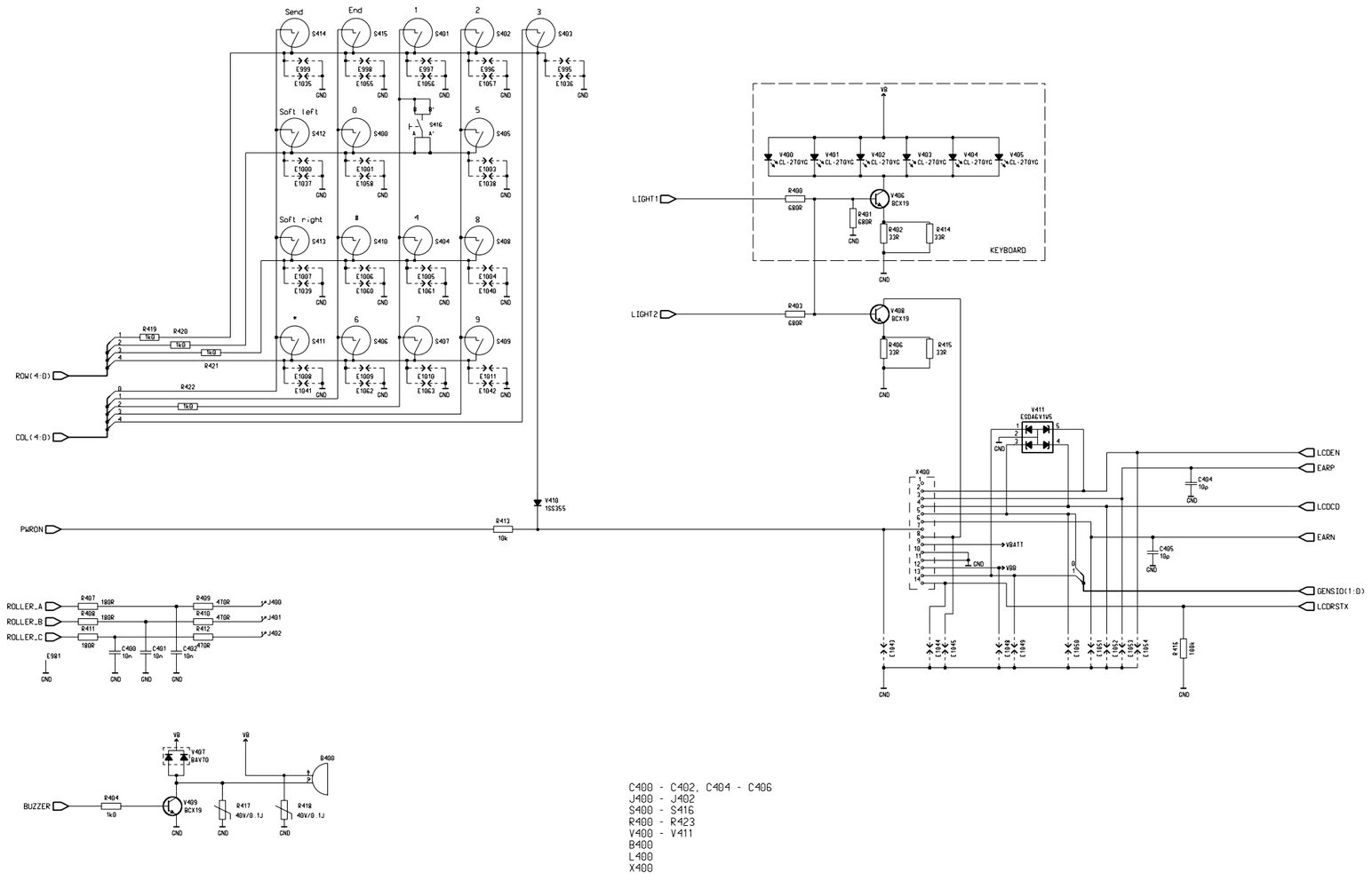
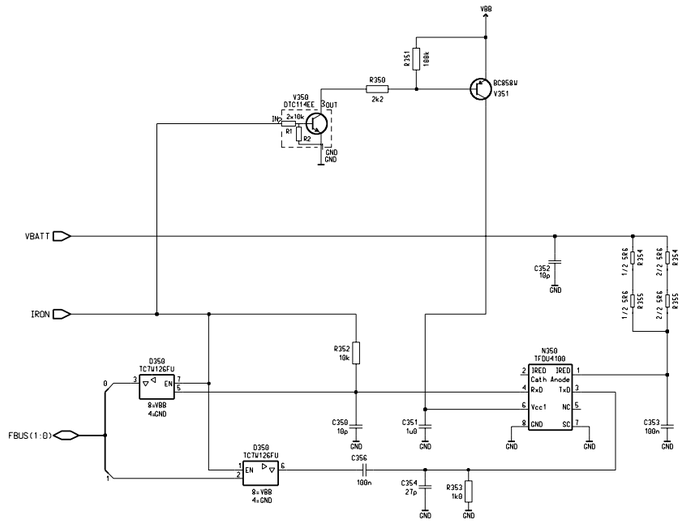
UI Module



C400 - C402, C404 - C406
J400 - J402
S400 - S416
R400 - R423
V400 - V411
B400
L400
X400

Infrared Module



R350 - R355
C350 - C354
V350 - V351
D350
N350
Z350

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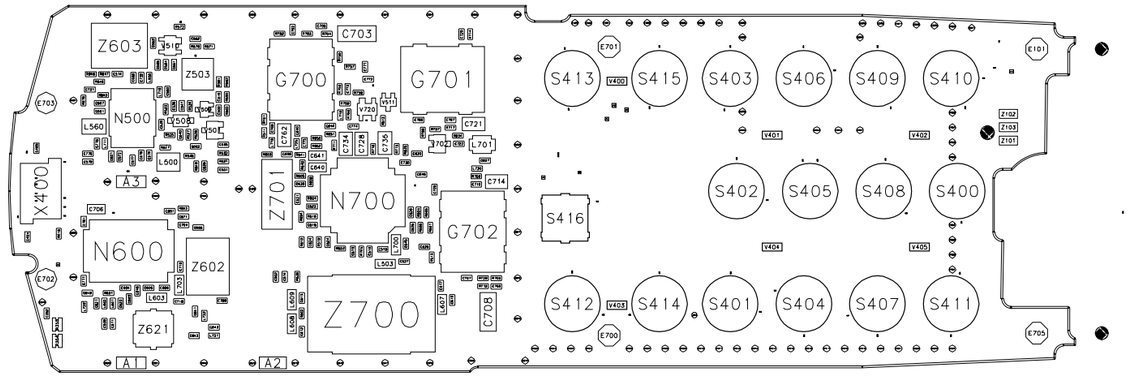
A side Diagram



B side Diagram